Ministry of Northern Development and Mines

Ontario

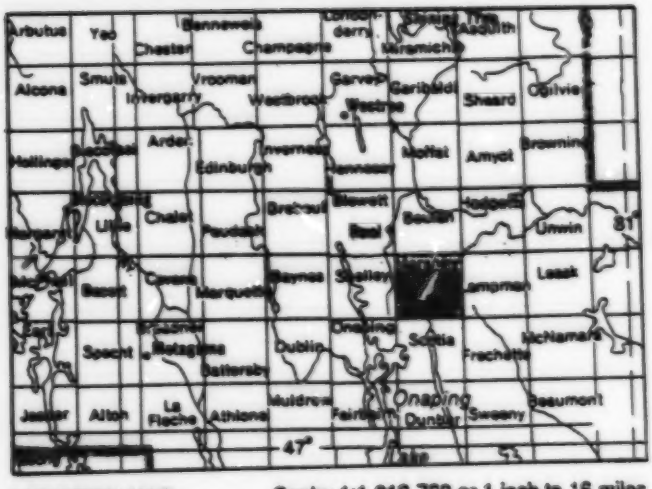
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 527

MARSHAY TOWNSHIP

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Agreement

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

NTS Number 41P/3

91-02402/

Mining Claim Map Number M.855

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Marshay Township, Geological Data Inventory Folio 527; compiled by the staff of the Resident Geologist's office, Sudbury.

Original Compilation by: Jerome, Lucille, August 1988

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L.J.
2	Assessment Files Research Office, Toronto	N.A.	L.J.
3	ODM General Index; 9 Volumes	Yes	L.J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	L.J.
6	ODM Industrial Mineral Reports	No	L.J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L.J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L.J.
9	Newspaper Clippings File	No	L.J.
10	GSC Index to Publications	No	L.J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L.J.
12	OGS Index Maps	Yes	L.J.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	Yes	L.J.
14	Author - Subject Articles File	Yes	L.J.
15	Miscellaneous Papers: ODM & OGS	No	L.J.
16	ODM Geological Circulars: OGS Study Series , Reports	No	L.J.
17	ODM Preliminary Reports: ODM Bulletins	No	L.J.
18	ODM – OGS Open File Reports	No	L.J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L.J.
20	OGS Aggregate Resources Inventory Papers	No	L.J.
21	OGS Mineral Potential Maps	Yes	L.J.
22	Theses on File, Sudbury	Yes	L.J.
23	Aerial Photographs on File, Sudbury	Yes	L.J.

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METALS AND MINERALS REFERENCES LIST

△ anh. . . . . Anhydrite
△ ank. . . . . Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . Apatite
△ arg . . . . . Argentite
△ As . . . . . Arsenic
△ asp . . . . . Arsenopyrite
△ asb . . . . . Asbestos
△ ba. . . . . Barite
△ be. . . . . Beryl
△ Bi. . . . . Bismuth
△ bn . . . . . Bornite
△ bran . . . . . Brannerite
△ bruc . . . . . Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . Carbonate
△ cel . . . . . Celestite
△ cc. . . . . Chalcocite
▲ cp. . . . . Chalcopyrite
△ ch. . . . . Chert
△ clay . . . . . Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . Columbite
▲ Cu . . . . . Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . Feldspar
△ fl . . . . . Fluorite (flurospar)
△ fu. . . . . Fuchsite
△ gn. . . . . Galena
△ gt. . . . . Garnet
△ goe . . . . . Goethite
▲ Au . . . . . Gold
△ gf. . . . . Graphite
△ gl . . . . . Gravel
△ gyp. . . . . Gypsum
△ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
△ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . Marl
△ mi . . . . . Mica
△ ml . . . . . Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . Niccolite
△ Ni. . . . . Nickel
△ Nb . . . . . Niobium
△ Pd . . . . . Palladium
△ peat . . . . . Peat
△ pent . . . . . Pentlandite
△ Pt. . . . . Platinum
▲ py . . . . . Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . Pyrolusite
▲ po . . . . . Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . . Quartz carbonate vein
△ ra. . . . . Radioactive minerals
△ RE . . . . . Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . Silver
△ sl . . . . . Slate
△ sm . . . . . Smaltite
△ sod. . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . Sphalerite
△ spd. . . . . Spodumene
△ staur . . . . . Staurolite
△ stib. . . . . Stibnite
△ st . . . . . Stone
△ talc. . . . . Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . Thorite
△ Th . . . . . Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . Tourmaline
△ trap . . . . . Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . Uranium
△ verm . . . . . Vermiculite
△ Y . . . . . Yttrium
▲ Zn . . . . . Zinc
△ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MARSHAY TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Rockwin Mines Ltd., Marshay Occurrence, Ruel Zinc Prospect, Zinc Lake Prospect	Pb, Zn, Ag, Cu	Znl, Pbl	MRC 2, p.99 MRC 12, p.256	
B	Metron Exploration Ltd.	Cp, po			Marshay 0010
C	Metron Exploration Ltd	py			Marshay 0010
D	Marshay Township Placer No. 1	Au		MDC 17, p.182	
E	Nichol, W.H.	Cp		MRC 12, p.279	

GCIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Metron Exploration Ltd. (Marsnay 0010)	71										71	71		71					
2	O'Donnell, E. (Marshay 0013)				58?															
3	Ranex Minerals Inc. (Marshay 0012-A1)				85															
4	Ranex Minerals Inc. (Marshay 0012-A1)				85															
5	Ranex Minerals Inc. (Marshay 0012-A1)				85															
6	Ranex Minerals Inc. (Marshay 0012-A1)											85	85							
7	Ranex Minerals Inc. (Marshay 0012-A1)			85																
8	Ranex Minerals Inc. (Marshay 0012-A1)			85																
9	Ranex Minerals Inc. (Marshay 0012-A1)					85														

MARSHAY TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
10	Ranex Minerals Inc. (Marshay 0012-Bl)											86	86							
11	Nichol, W.H. (Marshay 0011)				56-58															
12	Rio Tinto Canadian Exploration Ltd. (Marshay 0014)								79											
13	Zenmac Metal Mines Ltd. and Zinc Lake Mines Ltd. (Marshay 0016)	58		52	58	58		53 54												
14	Rockwin Mines Ltd. (Marshay 0015)				55															

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	O'Donnell, E.	1	1958?	180	?	?	50	py, Cu	
		2	1958?	180	?	?	50	py, Cu	
		3	1958?	180	?	?	60	Cu	
2	Ranex Minerals Inc.	73	1985	-	90	33	33		
3		74	1985	-	90	25	25		
4		75	1985	-	90	12	12		
5		76	1985	-	90	35	35		
6		77	1985	-	90	15	15		
7		78	1985	-	90	24	24		
8		79	1985	-	90	20	20		
6		80	1985	-	90	20	20		
9		81	1985	-	90	40	40		
10		48	1985	-	90	4	4		
		49	1985	-	90	4	4		
		50	1985	-	90	4	4		
		51	1985	-	90	4.5	4.5		
12		52	1985	-	90	10	10		
13		53	1985	-	90	22	22		
14		54	1985	-	90	15	15		
		55	1985	-	90	20	20		
		56	1985	-	90	25	25		
15		57	1985	-	90	16	16		
16		58	1985	-	90	22	22		
		59	1985	-	90	5	5		
17		60	1985	-	90	10	10		
10		67	1985	-	90	15	15		
18		68	1985	-	90	20	20		
19		69	1985	-	90	25	25		
	Nichol, W.H.	1	1956	180	45	0	57	cp	
		2	1956	180	45	0	60	cp	
20		3	1956	180	45	0	83	cp	
		4	1956	180	45	0	82		
19		5	1956	180	45	0	40	cp	
		6	1956	180	45	0	52	cp	

MARSHAY TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
19	Nichol, W.H. (cont'd)	7	1957	180	45	0	100	cp	
		8	1957	180	45	0	100	cp	
20		1	1957	180	45	0	500	cp	
		1	1958	360	65	0	490	cp, mag	
21	Zenmac Metal Mines Ltd.	58-1	1958	147	45	21	305	py, gf	
22	Rockwin Mines Ltd.	1	1955	344	45	3	430	py, po, cp	Ag,Cu,Pb, Zn,Au
		2	1955	164	45	3.5	275.5	py	
		5	1955	345	45	33.5	274		
23		7	1955	345	45	5	360.5	py, cp	Ag,Cu,Pb, Zn,Au
24									
25		10	1955	165	45	12.3	254	py	
26		12	1955	160	45	22	272	py	
27		1	1955	165	58	0	30.4		
28		2	1955	155	60	0	27		
		3	1955	130	65	0	30.2		

GDIF FORM NO. 1

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
12	Aerodat Ltd. Rio Tinto Canadian Exploration Ltd.	Airborne Magnetometer	36.6 m	N/S	161 m

MARSHAY TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

Property Location 1: Metron Exploration Ltd., carried out a series of four surveys on their claim group in 1971. Several trenches/ pits had been worked by unknown owners prior to 1971.

Property Location 6: The "Zinc Lake Prospect" area has been explored on numerous occasions by several companies. A very limited amount of work is recorded at the Sudbury Resident Geologist's Office. The following information is not recorded as assessment work.

Called the "Ruel Zinc Prospect" in 1911, early exploration in this area began with the sinking of an exploration shaft to 54' and surface clearing. Marshay Zinc Mines Ltd. owned the property in 1928-29. Two or three diamond drill holes are reported to have been drilled. Surface stripping was also done during this time period. In 1948 a magnetic survey was done for Silruca Gold Mines (later renamed Zinc Lake Mines Ltd.). A resistivity survey and 12 diamond drill holes (3000') are reported to have been done by Zinc Lake Mines Ltd. in 1952-53. This work was confined to within 600' of the shaft area. During 1955, McPhar Geophysics Ltd. ran an electromagnetic survey for Sagamore Explorations.

NEWSPAPER CLIPPINGS FILE

NOTE A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office

No data on file, August 31, 1988

ODM GENERAL INDEX SEARCH

Words searched:

MARSHAY OCCURRENCE
MARSHAY TOWNSHIP
MARSHAY ZINC MINES LTD.
METRON EXPLORATION LTD.
NICHOL, W. H.
O'DONNELL, E.
RANEX MINERALS INC.
RIO TINTO CANADIAN EXPLORATION LTD.
ROCKWIN MINES LTD.
RUEL ZINC PROSPECT
SAGAMORE EXPLORATIONS LTD.
SILRUCA GOLD MINES LTD.

Index Volume	Listing:	Report Volume	Part	Page
1	Ruel Zinc Mine, near Felix, Marshay Tp. Notes by Uglow	25	2	9, 10
2	Marshay Tp., Sudbury Gas, prospecting for	30	1	45
3	Marshay Zinc Mines Ltd. Incorporated	37	1	58
4	Silruca Gold Mines Ltd. Incorporated	56	1	48
5	Silruca Gold Mines Ltd. Name changed	62	1	62
5	Zenmac Metal Mines Ltd. Incorporated	62	1	59
5	Zinc Lake Mines Ltd. Change of name	62	1	61
6	Rockwin Mines Ltd. Change of name	65	1	39
6	Sagamore Explorations Ltd. Incorporated	65	1	35
7	Rockwin Mines Ltd. Mining property, Marshay and Shelley Tps., report	MRC 2		99
8	Marshay Tp., Sudbury Dist. Iron Lead/zinc/silver/copper	MRC 11 MRC 12		350 256
8	Zinc Lake Prospect Marshay Tp., Sudbury Dist. mining property, report on	MRC 12		256
9	Marshay Tp., Sudbury Dist. Placer gold	MDC 17		182

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

ZENMAC METAL MINES LTD.
ZINC LAKE MINES LTD.
ZINC LAKE PROSPECT

Index Volume	Listing:	Report Volume	Part	Page

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K.D.	1967	Westree Sheet	ODM Map P.300	1"= 2 miles
Card, K.D., Lumbers, S.B.	1974,75	Sudbury-Cobalt Geological Compilation (revised)	OGS Map 2361	1" = 4 miles
		GEOPHYSICAL MAPS		
GSC - ODM	1965	Aeromagnetic Map - Thor Lake	1520G	1" = 1 mile
Gupta, V.K.	1981	Bouguer Gravity and Generalized Geological Map of the Gogama-Gowganda Area	OGS Map P.2481	1:100 000
ODM - GSC	1965	Aeromagnetic Map - Gogama Sheet	7076G	1" = 4 miles
	1979	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey, Gogama	Map 80 374	1:250 000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
EMR	1975	Topographic Map - Thor Lake	41 P/3	1:50 000
Roed, M.A., Hallett, D.R.	1980	NOEGTS Data Base Map, Westree NOEGT Study 88, Westree Area	Map 5022	1:100 000
Sado, E.V., Carswell, B.F.	1987	Surficial Geology of Northern Ontario	OGS Map 2518	1:1 200 000
		MINERAL POTENTIAL MAPS		
Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet and Part of Ville-Marie Sheet	OGS Map P.1514	1:250 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOCHEMICAL MAPS		
		No data available as of September 10, 1988		
		GEOLOGICAL REPORTS AND MAPS		
Shklanka, R.	1969	Copper, Nickel, Lead and Zinc Deposits of Ontario	MRC 12	
Thomson, J.E.	1960	Uranium and Thorium Deposits at the Base of the Huronian System in the District of Sudbury, Ontario	GR 1	
Thomson, J.E. et al	1957	Copper, Nickel, Lead and Zinc Deposits in Ontario	MRC 2	
		JOURNALS, ARTICLES, THESES AND TECHNICAL REPORTS		
Eade, K.E.	1950	The Huronian Rocks of Northwestern Ontario; M.Sc., McGill University	MP 2	
Hadley, D.G.	1968	The Sedimentology of the Huronian Formation Ontario and Quebec, Canada	Theses on File	
Lindsey, D.A.	1969	Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario, Canada	GSA Bull. 80	pp. 1685-1702
Young, G.M.	1981	The Early Proterozoic Gowganda Formation, Ontario Canada. Earth's Pre-Pleistocene Glacial Record	Cambridge University Press	pp. 807-812
Siemiatkowska, K.M.	1971	Bibliography on Huronian Geology Covering the Region from Sault Ste. Marie to the Grenville Front.	Theses on File	

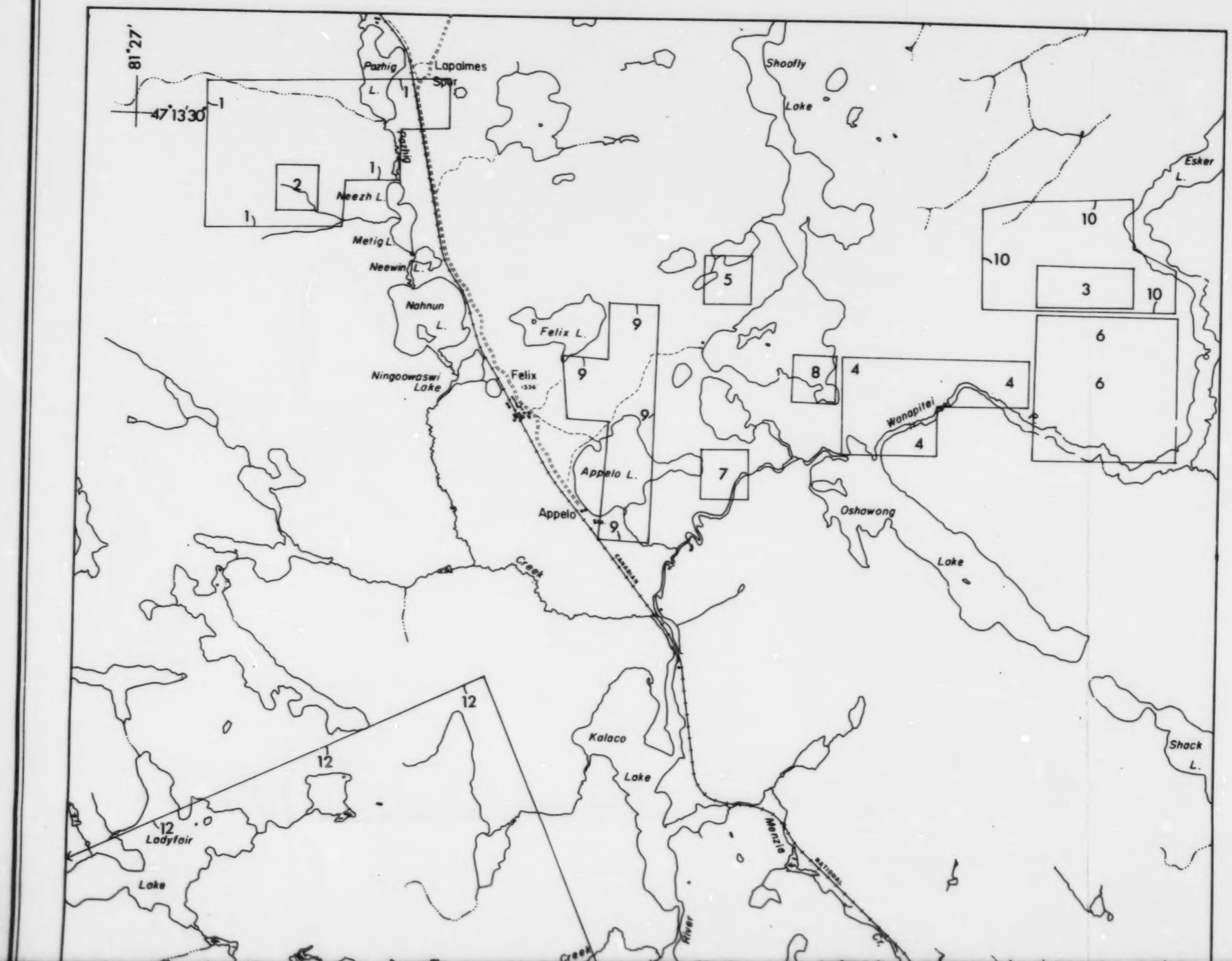
NOTES AND ADDENDA

AERIAL PHOTOGRAPHS INDEX

SCALE 1" = 1/4 mile

Year	Roll	Line	Number
1970	20	4709	72-78
	20	4708	7-13
	20	4707	225-231

GDIF FORM NO.30



Ministry of Northern Development and Mines

Ontario

Mines a
Mineral
Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 527

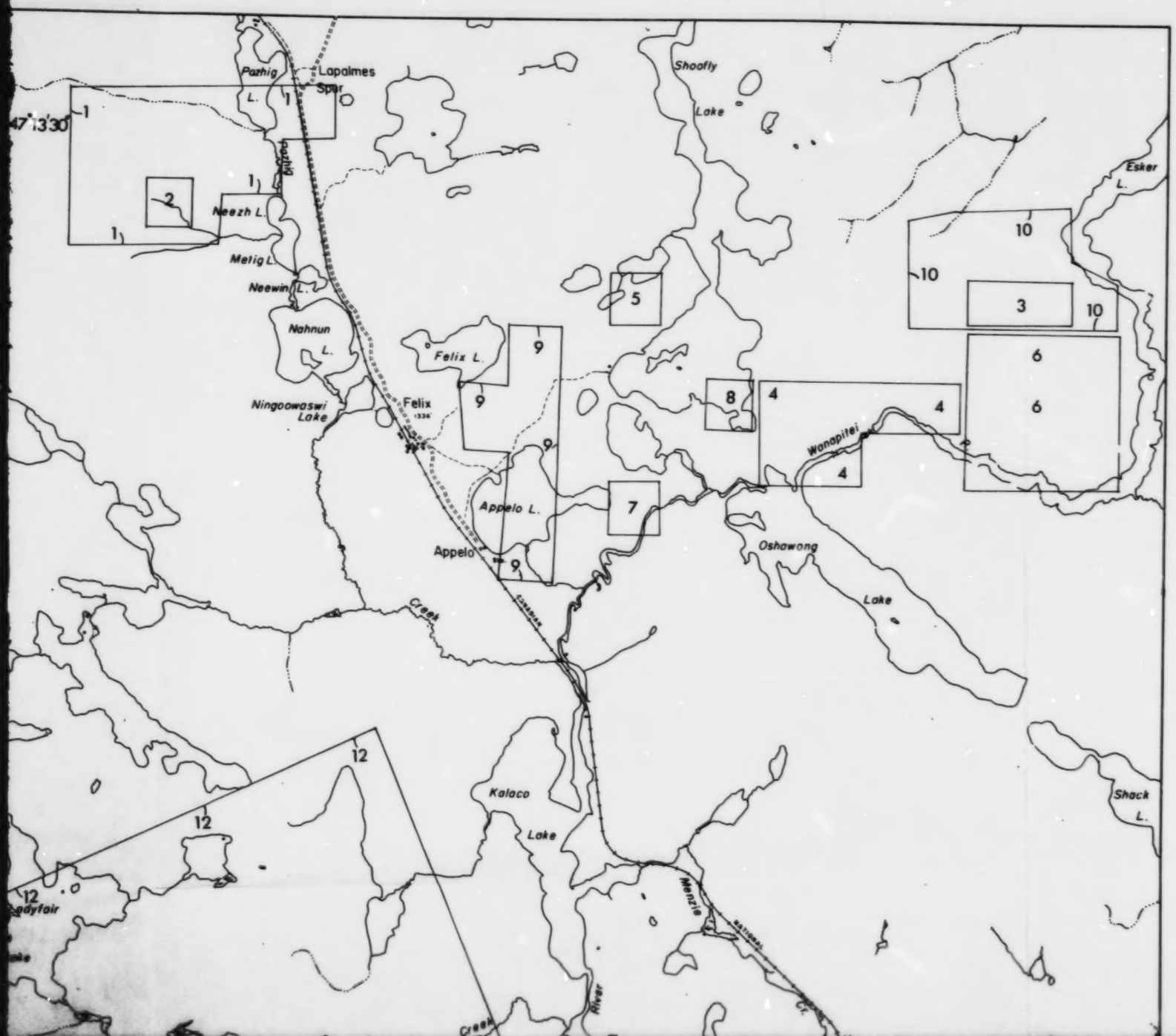
(Map 1 of 2)

MARSHAY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



Ministry of Northern Development and Mines

Ontario

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 527

(Map 1 of 2)

MARSHAY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL DATA INVENTORY FOLIO 527

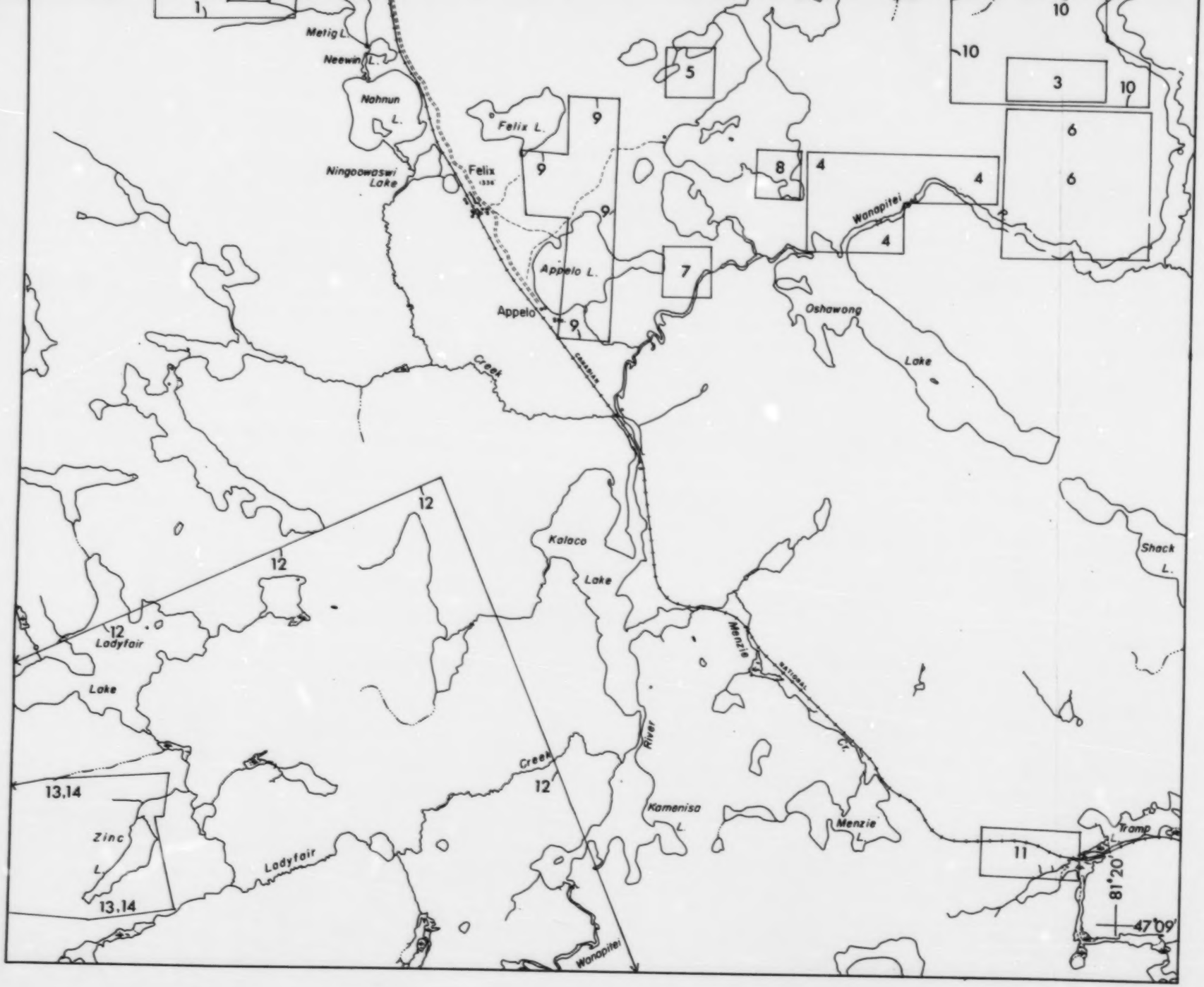
(Map 1 of 2)

MARSHAY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area

GEOLOGICAL DATA INVENTORY FOLIO 527

(Map 1 of 2)

MARSHAY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Metig L.
Neswin L.
Nahnun L.
Felix L.
Ningoowaswi Lake
Felix
Appelo L.
Appelo
Oshawong Lake
Wanapitei
Kalaco Lake
Shack L.
Menzie
Kamenisa L.
Menzie L.
Tramp L.
Ladyfair Lake
Zinc L.
Ladyfair
Creek
River
81°20'
47°09'

EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

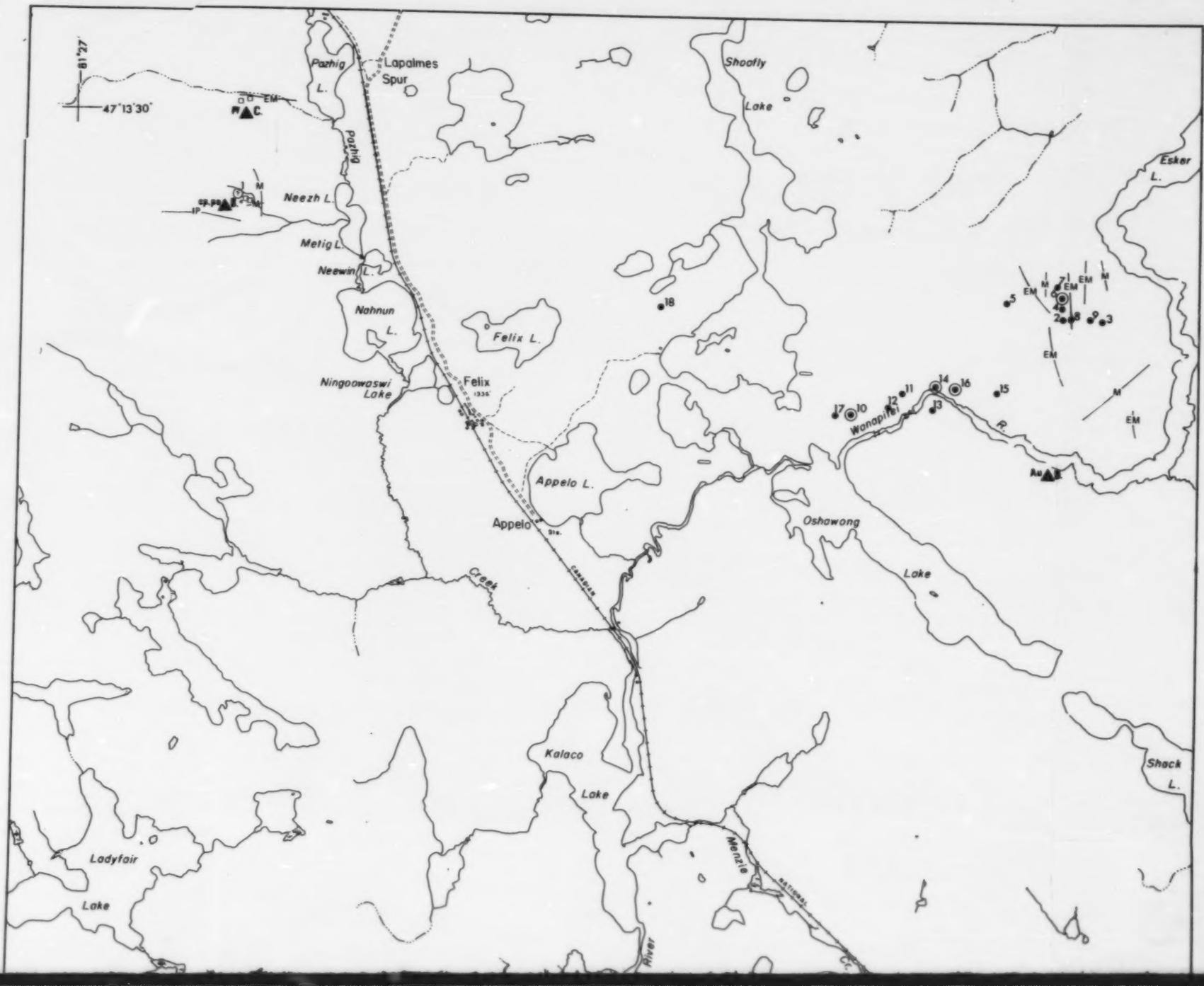
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

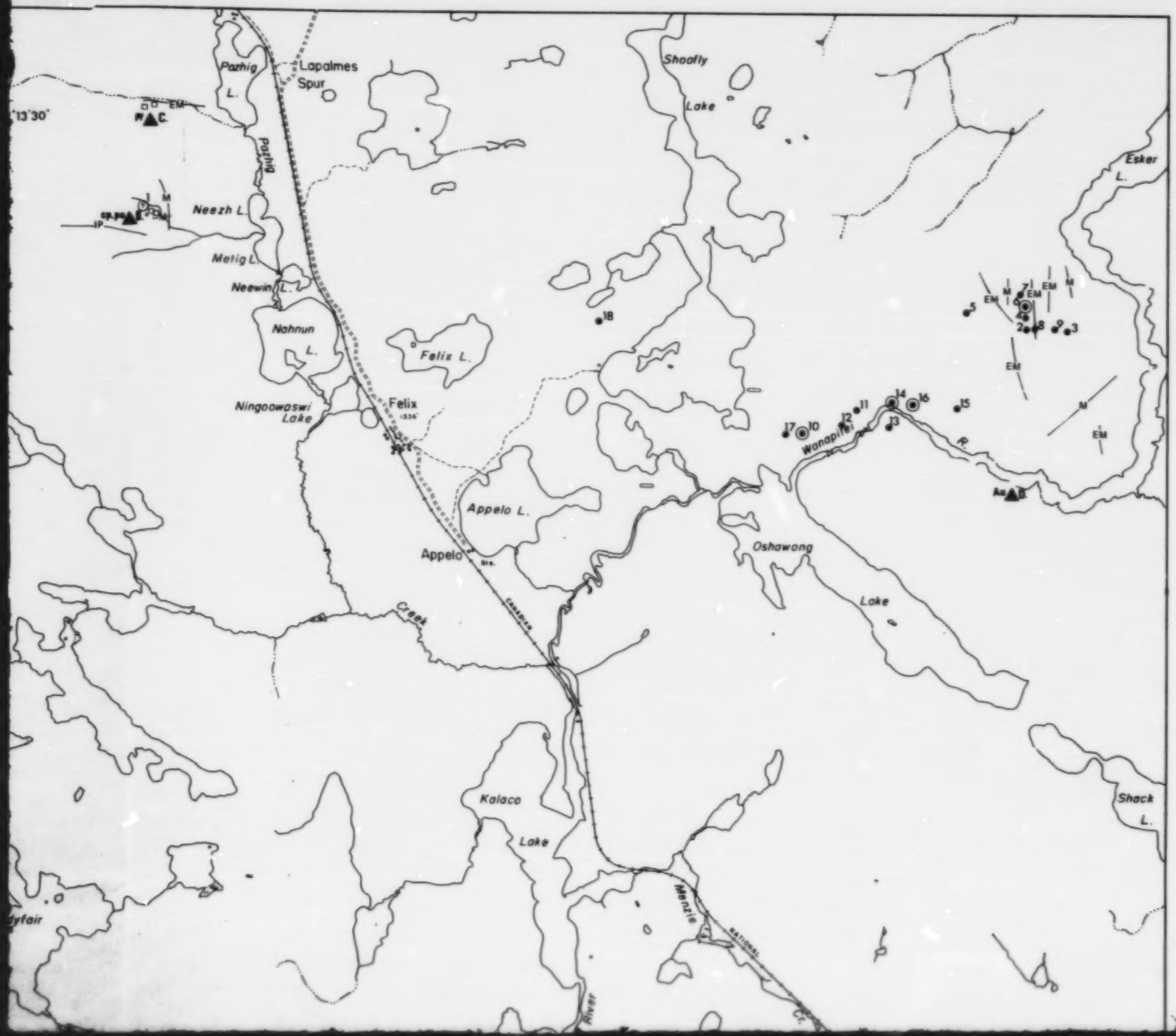
GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly Length of anomaly along flight line
- Airborne electromagnetic anomaly
- Airborne electromagnetic anomaly Conductor axis
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq.; Turam; JEM - Crone Em - 16; EM - Undefined)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching pit
- Rock quarry




Pazhig L.
Lapalmes Spur
Shoofly Lake
Esker L.
Neezh L.
Metig L.
Neewin L.
Nahnun L.
Felix L.
Ningoowoswi Lake
Felix
Wanapitei R.
Appelo L.
Appelo
Oshawong Lake
Creek
Kalaco Lake
Shack L.
River
Mattagami
Ontario
Ministry of Northern Development and Mines
Mines and Minerals Division
ONTARIO GEOLOGICAL SURVEY
EXPLORATION DATA MAP
GEOLOGICAL DATA INVENTORY FOLIO 527
(Map 2 of 2)
MARSHAY TOWNSHIP
Scale 1:31 680
Kilometre 0.5 0 0.5 1 Kilometre
Mile 0.5 0 0.5 1 Mile
GEOLOGICAL AND MINING SYMBOLS
TYPES OF DATA SHOWN ON THIS MAP
MINERAL OCCURRENCES
Mineral occurrence at surface, with reference letter
Mineral occurrence with shaft, depth given with reference letter
Mineral occurrence reported but exact location uncertain, with reference letter
Mineralized float with reference letter
Mineral occurrence in drillhole, with reference letter, and drillhole number
DRILLHOLES
Location of single drillhole, with reference number
Location of closely spaced group of drillholes, with

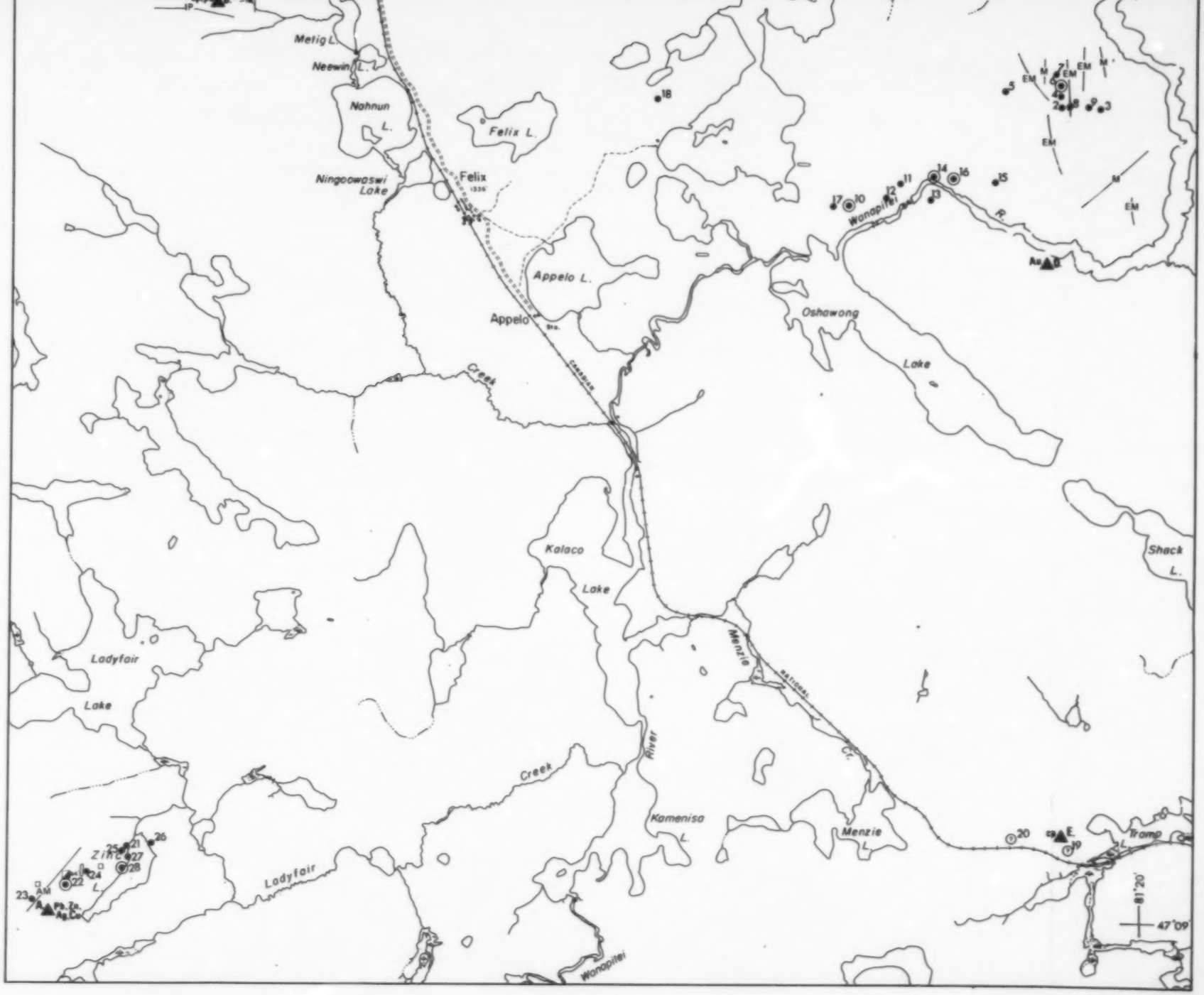
GEOPHYSICAL ANOMALIES

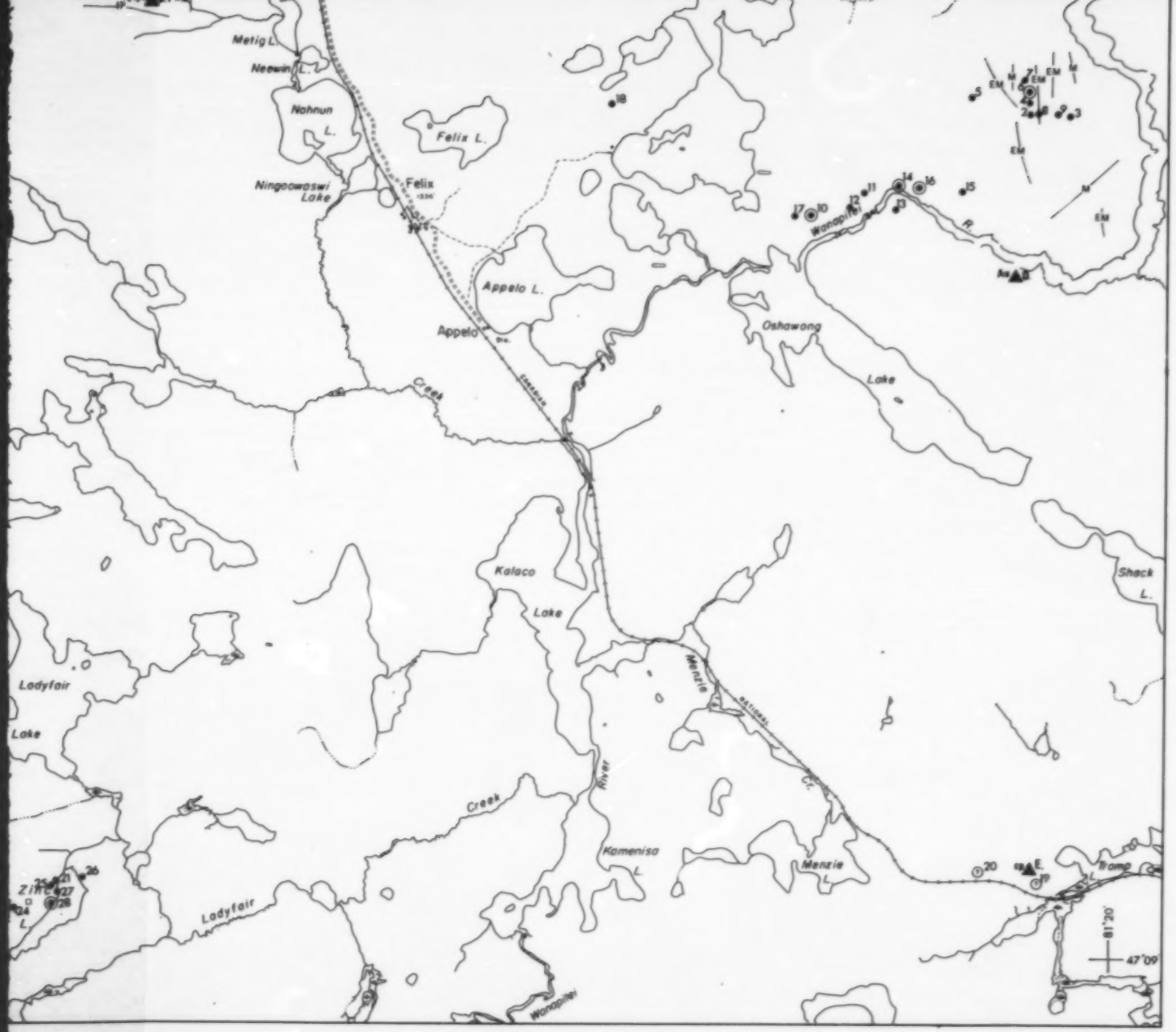
- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- AEM — Airborne electromagnetic anomaly
- Airborne electromagnetic anomaly
  Conductor axis
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM -
  Crone Em - 16; EM - Undefined)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit
- Shaft

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.





GEOLOGICAL DATA INVENTORY FOLIO 527

(Map 2 of 2)

MARSHAY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number